

2/11

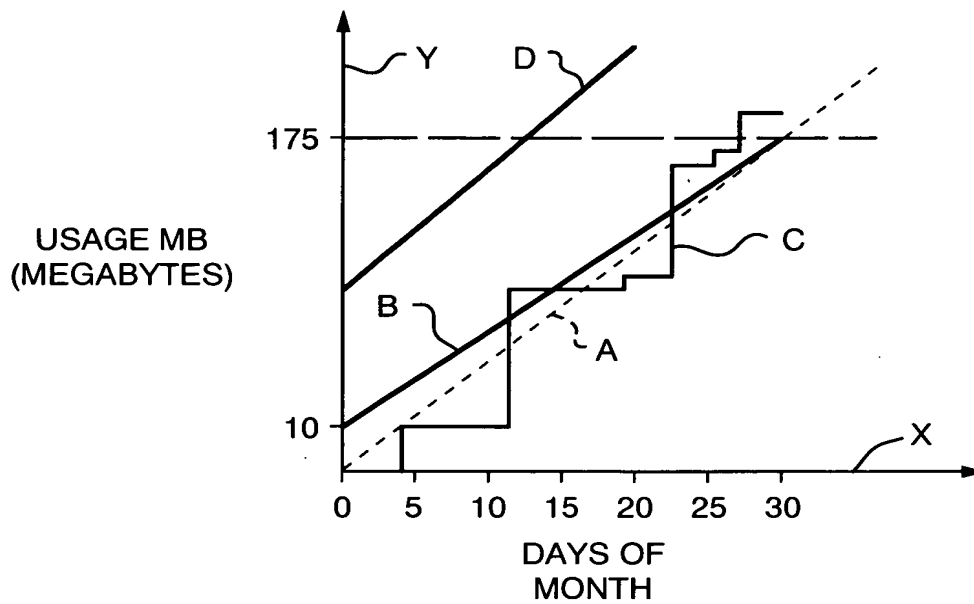


FIG. 2

PRIORITY LEVEL	MAX. TIME FOR CONTINUOUS TRANSFER
1	600 SECONDS
2	120 SECONDS
3	30 SECONDS

FIG. 3

097843.05101  
T01250" 8448460

3/11

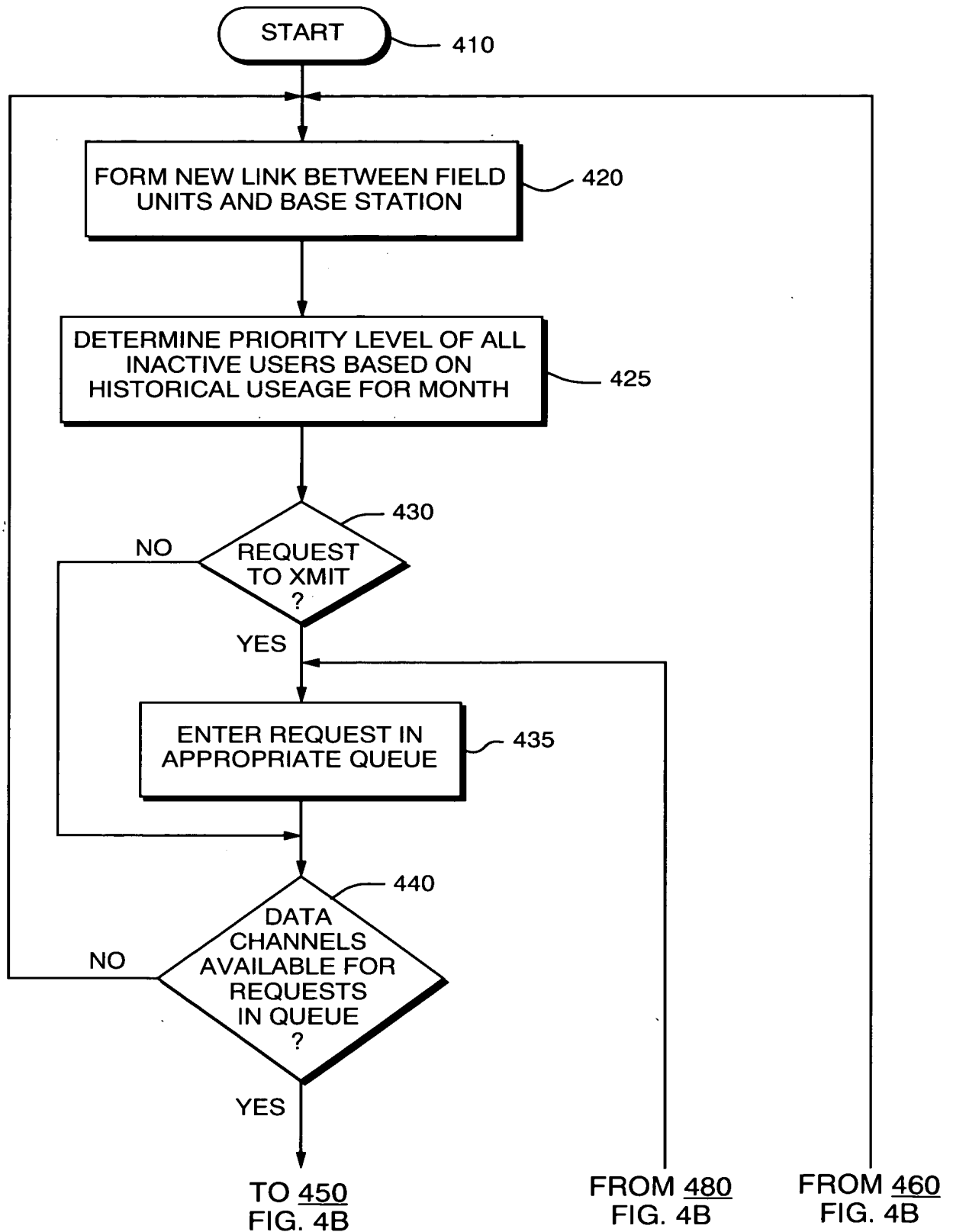
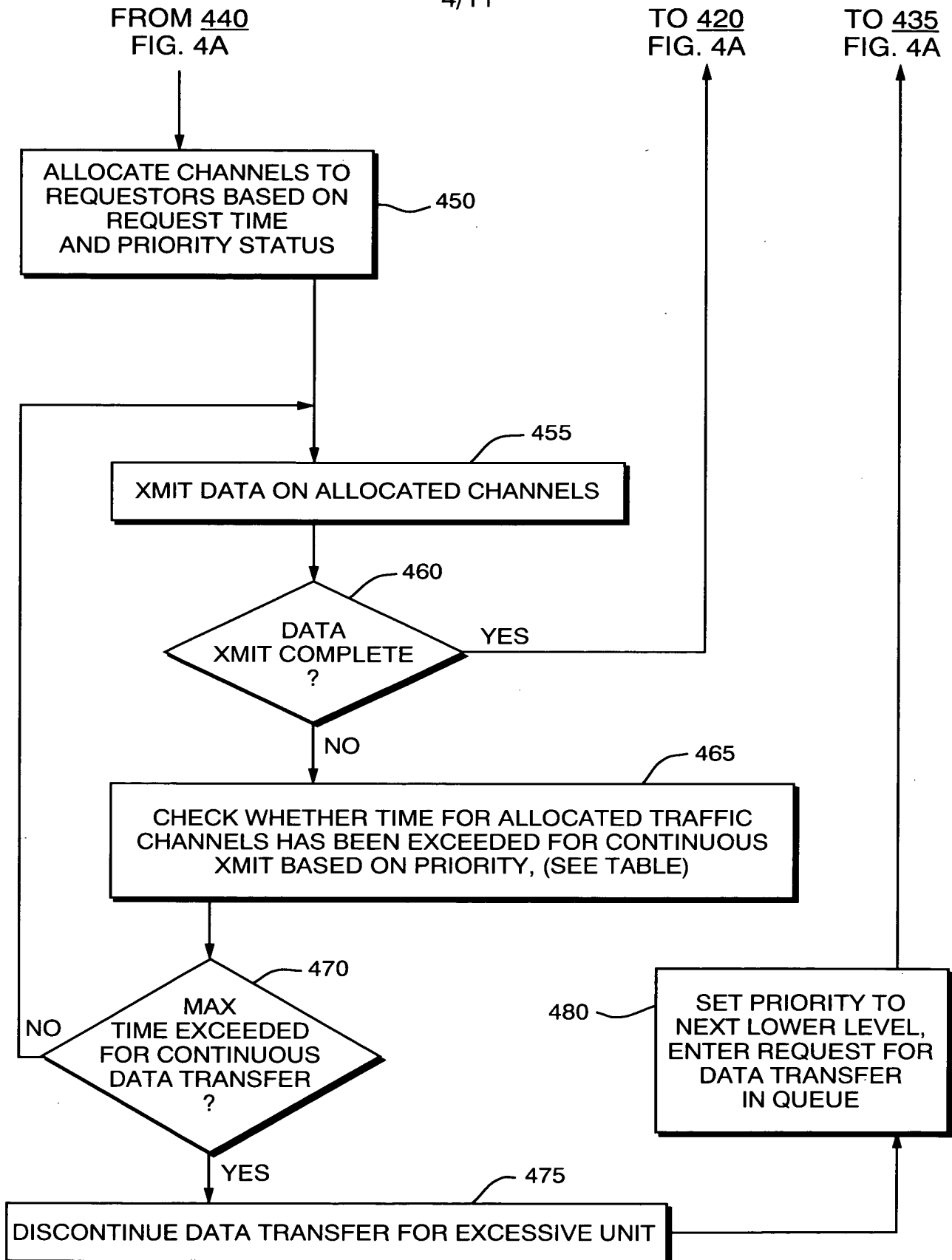


FIG. 4A

4/11



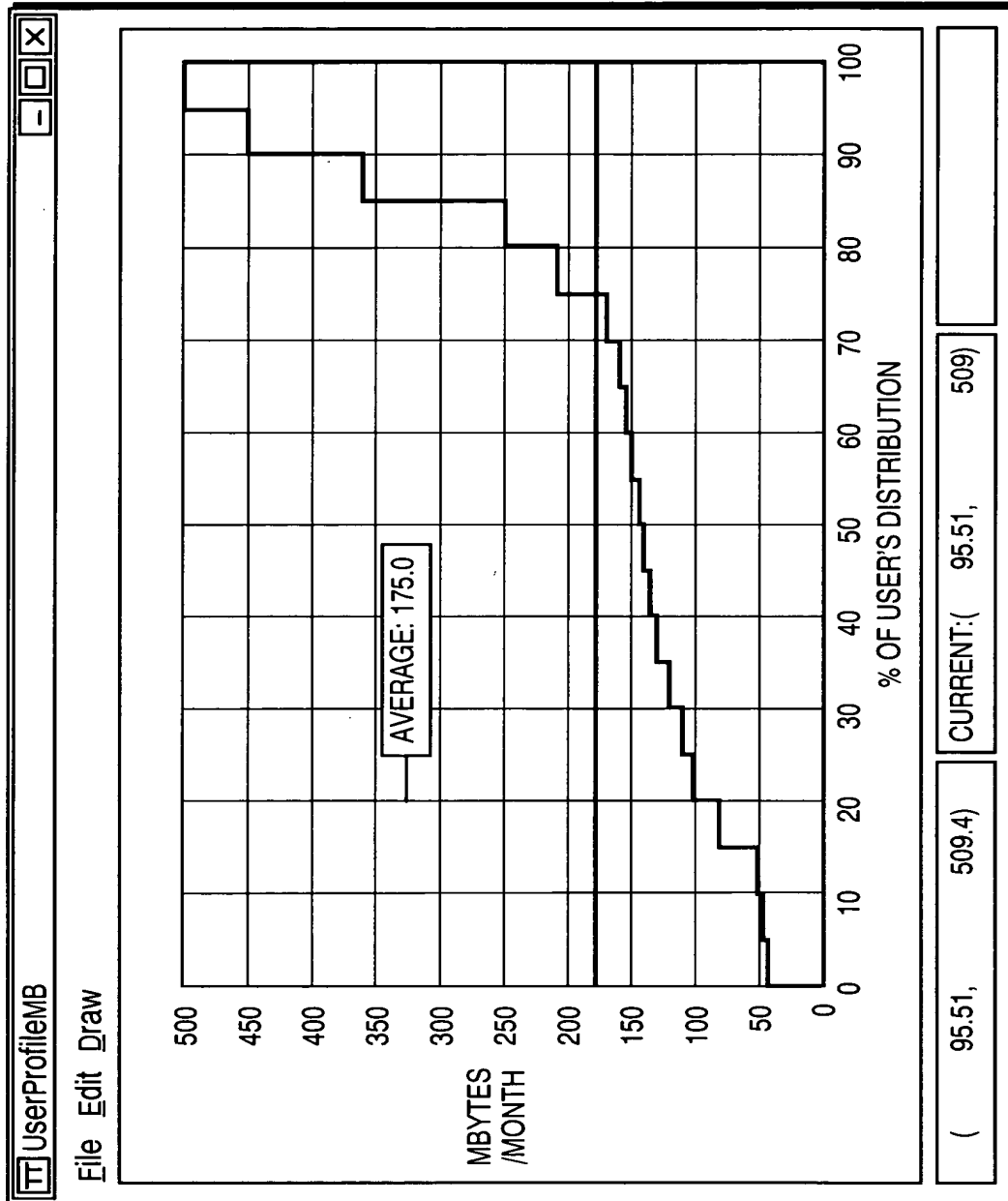


FIG. 5

Application	Unit of Work	Est. units/mo (during peak load time, given an acceptable speed)	Unit size in Kbytes	Mo. vol. (Mbytes during peak load time)	Accept. speed (kbps-fwd)	Accept. speed (kbps-rev)	Theor. Resp. time for unit (sec)
Short Messages	Message	100	0.1	0.01	14	14	0.06
WAP and short e-mail	Message	200	0.2	0.04	14	14	0.11
e-mail	Letter	200	1	0.20	28	28	0.29
e-mail with attachments (Send&Receive)	Letter	50	200	10.0	128	128	12.50
Web Browsing (articles, text information, etc.)	Page	300	20	6.0	128	28	1.25
Web Browsing (e-bay, news, searching products, etc.)	Page	800	50	40.0	256	28	1.56
Web Downloads (programs, Applications)	Program	4	5000	20.0	384	56	104.17
Distant Learning	Lesson	4	3000	12.0	256	128	N/A
MP3 downloads and learning	Song	8	4000	32.0	384	384	83.33
Internet radio	Minute of listening	200	480	96.0	64	28	N/A
Video conferencing	Minute of session	60	2880	172.8	384	384	N/A

FIG. 6

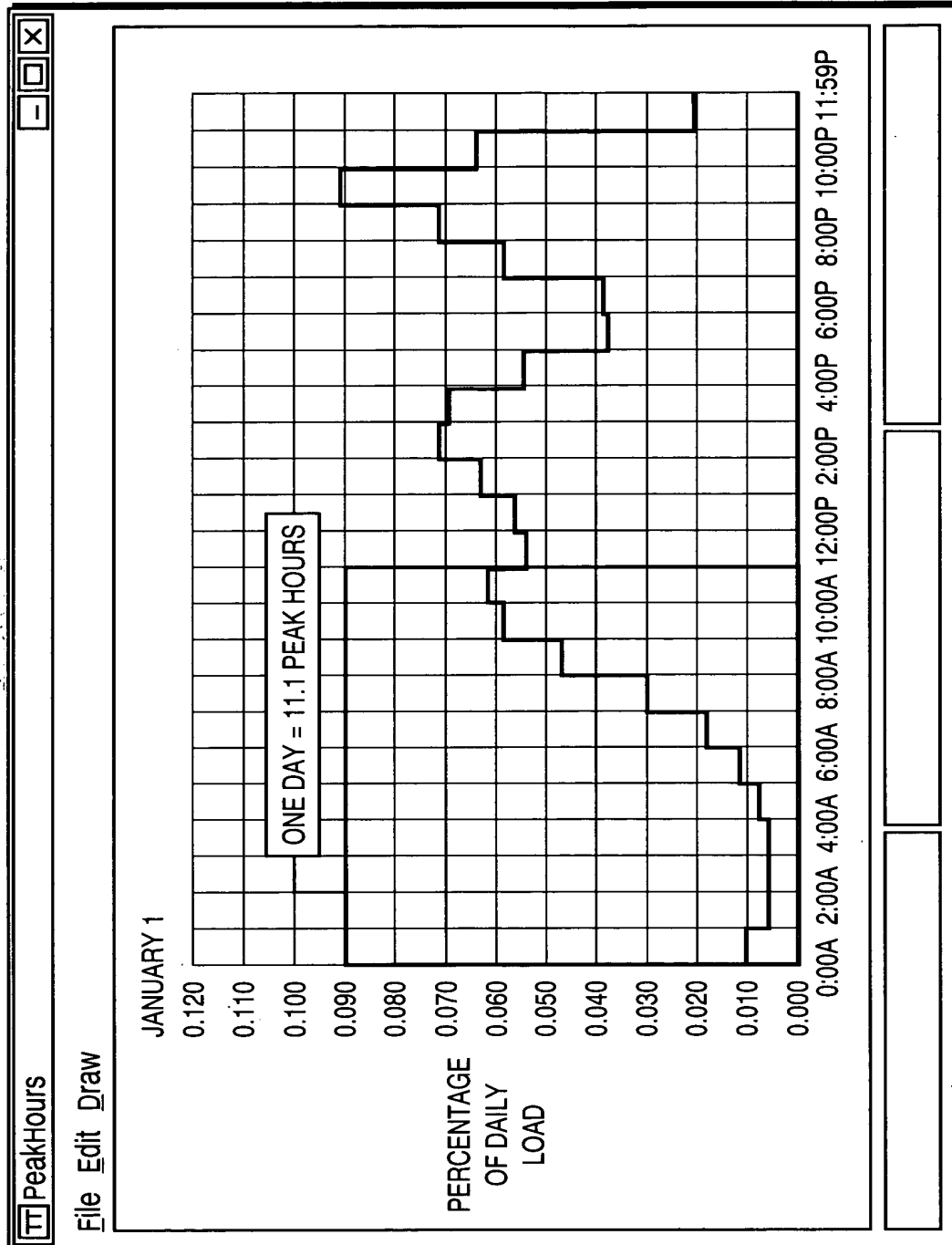


FIG. 7

Quality of Service Estimator	
<div> <div> <div></div><div></div><div></div> </div> <div> <div></div><div></div><div></div> </div> <div> <div></div><div></div><div></div> </div> </div> <div> <div>◀</div><div>▶</div><div>↶</div><div>↷</div><div>✂</div><div>✓</div><div>↺</div> </div> <div>175 Average</div> <div></div>	
Main	Impatience Factor
User Distribution	PeakHourLoad
Page Size (Kilo Bytes)	N. of Subscribers
Network R.T. (sec)	Initial Allotment(MBy)
Pipe Size (Mbps)	End-of-Month Allotment
Pipe Efficiency (%)	Sessions Per Day
Max Avg Speed per S.	<input type="checkbox"/> Hash ISP Birthdays



T07250" B248260

App No.: 09/778,478  
Title: Grade of Service and Fairness Policy  
Inventors: Carlo Amalfitano

9/11

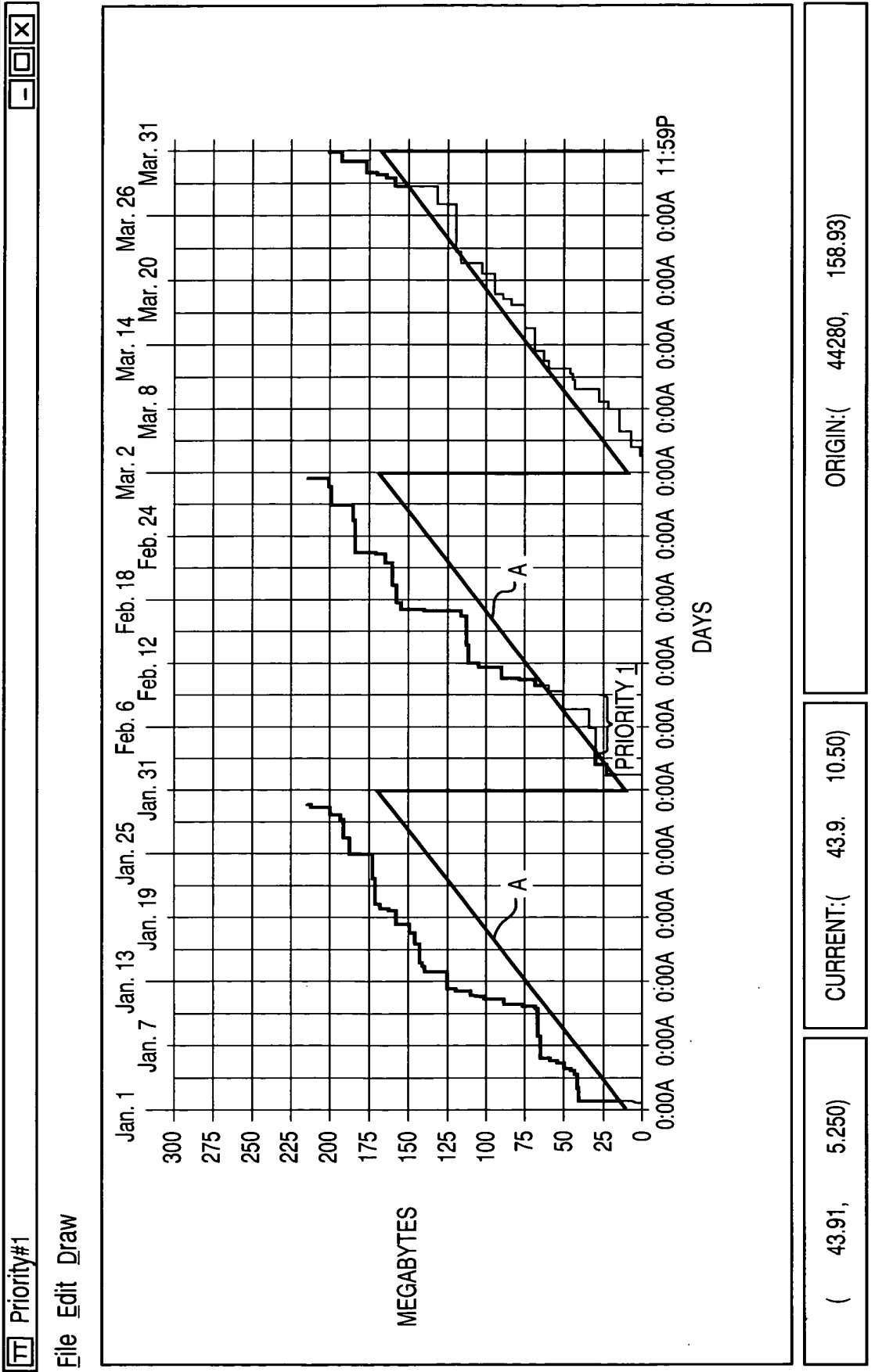


FIG. 9

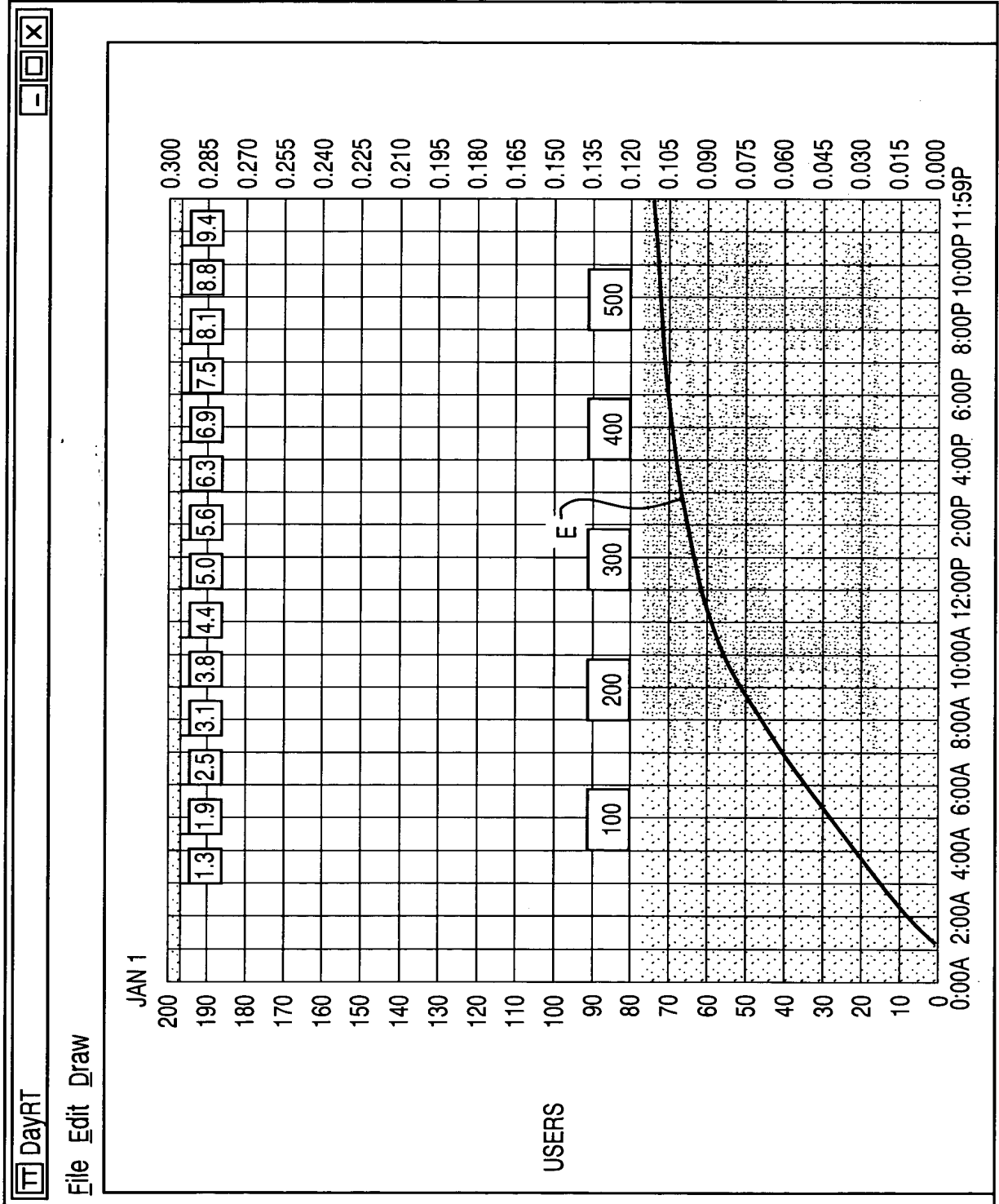


FIG. 10

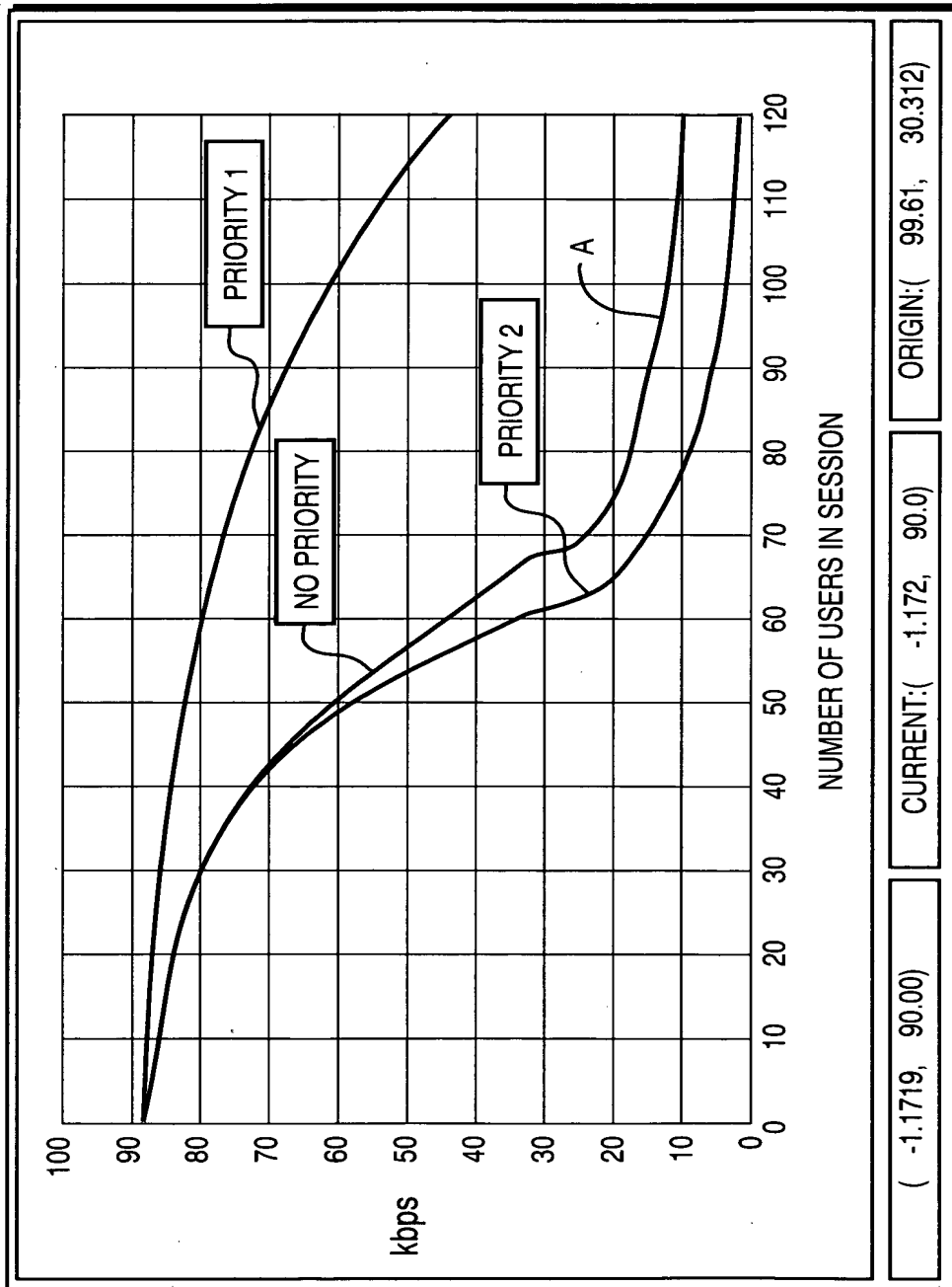


FIG. 11